

binning said single pixels to define a plurality of binned pixels, each of said binned pixels consisting of an array of single pixels;

filtering light transmitted to at least a single pixel in each of said binned pixels, whereby filtered light of a desired transmission wavelength, plus or minus approximately 10 nanometers, is transmitted to said single pixel in each of said binned pixels;

wherein said desired transmission wavelength is selected to coincide with a peak in a spectral signature of a specific compound;

combining said binned pixels to provide spatial resolution in an image; and

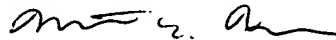
detecting said specific compound in said image from said filtered light.

REMARKS

This is a preliminary amendment filed with a petition to convert provisional application 60/276,868 filed March 19, 2001, to a nonprovisional application pursuant to 37 C.F.R. 1.52 (c) (3).

It is submitted that the application is now in condition for allowance, and an early action to that effect is earnestly solicited.

Respectfully submitted,



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